

EPA-PNL-1252

Jeff Frithsen/DC/USEPA/US

09/26/2012 11:44 AM

To Joanne Dea

cc Phil North, Richard Parkin

bcc

Subject Re: Fw: Presentation on Keystone science panels on Pebble mine

Joanne:

Thank you for sharing.

With this email, I have shared with Phil North and Rick Parkin. Both will be attending the Keystone meetings in Anchorage in October.

Jeff

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Joanne Dea

FYI - Attached are the slides from yesterday's w...

09/26/2012 11:33:06 AM

From: Joanne Dea/DC/USEPA/US
To: Palmer Hough/DC/USEPA/US@EPA, Laura Bachle/DC/USEPA/US@EPA
Cc: Jeff Frithsen/DC/USEPA/US@EPA, Kate Schofield/DC/USEPA/US@EPA, Marianne Holsman/R10/USEPA/US@EPA
Date: 09/26/2012 11:33 AM
Subject: Fw: Presentation on Keystone science panels on Pebble mine



Keystone Dialogue9a.pdf

FYI - Attached are the slides from yesterday's webinar/call. The first panels on 10/2 - 10/4 will focus on geology.

Best,

Joanne
CPRC

----- Forwarded by Joanne Dea/DC/USEPA/US on 09/26/2012 11:26 AM -----

From: Joanne Dea/DC/USEPA/US
To: Palmer Hough/DC/USEPA/US@EPA, Laura Bachle/DC/USEPA/US@EPA

Cc: Jeff Frithsen/DC/USEPA/US@EPA, Kate Schofield/DC/USEPA/US@EPA, Marianne Holsman/R10/USEPA/US@EPA
Date: 09/24/2012 01:49 PM
Subject: Fw: Presentation on Keystone science panels on Pebble mine

Palmer and Laura:

FYI - I understand tomorrow's presentation and discussion will now be a webinar format (versus in person meeting) from 10 - noon. For more information, please contact Suzan Klein with Keystone.

Jeff, Kate, and Marianne:

For your information as well. Marianne - can you please share with the appropriate R10 contacts too.

Best,
Joanne

From: Todd Bryan <tbryan@keystone.org>
To: Todd Bryan <tbryan@keystone.org>
Cc: Suzan Klein <sklein@keystone.org>
Date: 09/12/2012 11:23 PM
Subject: Presentation on Keystone science panels on Pebble mine

Greetings,

The Keystone Center is conducting a series of independent science panels to evaluate the Pebble Partnership's environmental and socioeconomic baseline studies, and the mining company is funding it. Pebble is a massive gold and copper deposit located in the Bristol Bay watershed of southwest Alaska and is home to the largest sockeye salmon fishery in the world. If built Pebble would be the largest gold and copper mine in North America and one of the largest in the world. The science panels will take place October 2-4 and 9-11 in Anchorage and will be broadcast live on Alaska Public Television. www.keystone.org/pebble<<http://www.keystone.org/pebble>>.

We would like to invite you to a presentation and discussion of the Keystone Center's science panel review process on September 25, 2012 from 9am until noon at the World Resources Institute at 10 G Street NW, Suite 800 in Washington, DC.

Please RSVP with names and number of attendees to Suzan Klein at sklein@keystone.org<<mailto:sklein@keystone.org>>.

It's controversial and not without challenges but we think it shows promise for how science should be integrated into decision making in very complex and controversial resource development situations like Pebble. We know of no other project like it anywhere in the world.

We look forward to seeing you there.

TB

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Keystone Center Dialogue on the Proposed Pebble Mine

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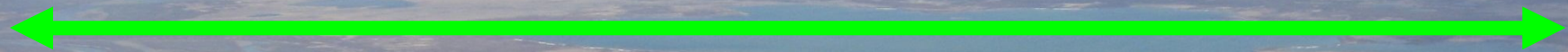
In November 2007, The Keystone Center was approached by the UK- and US-based consulting firm Sustainable Finance to determine whether Keystone was interested in undertaking an independent stakeholder assessment and dialogue feasibility study focused on the proposed Pebble Mine.



Key Assessment Questions

- What issues and concerns do you have with regard to the proposed mine?
- Do you think a dialogue to discuss those issues and concerns is desirable and feasible?

Dialogue Continuum



Opposed to a mine and do not think a dialogue is wise – may be a slippery slope.

Opposed to a mine but fear it may be permitted and think a dialogue would be useful to thoroughly evaluate the risks.

Do not have enough credible info and welcome a dialogue to thoroughly evaluate the risks & benefits of a mine.

Support a mine and believe a dialogue will improve its design and associated benefits.

Support a mine and do not think a dialogue is wise – may empower opponents

Internal Question

Is this primarily a whether question or a how question?

"How am I to get in?" asked Alice again, in a louder tone.

*"Are you to get in at all?" said the Footman,
"That's the first question, you know."*



Our Goal

The Keystone Center's goal is to help stakeholders make more informed decisions about the realistic choices before them.



3-stage Dialogue Process

- 1) Science Advisory Committee (SAC) to help design and carry out the dialogue
- 2) Independent Science Panels (ISP) to help stakeholders assess the sufficiency and credibility of baseline studies
- 3) Joint Fact-Finding (JFF) process to address valid scientific questions raised by the ISPs



1. Science Advisory Committee

A Science Advisory Committee (SAC) will guide the ISP and JFF processes. The role of the SAC is to help Keystone select science panelists and to plan and oversee the dialogue process. The SAC is made up of 5 recognized experts from geology and geochemistry, fisheries biology, socio-economics, subsistence, and mining economics.



SAC trip to proposed mine site in May 2009



SAC trip to proposed mine site in May 2009



SAC Field Meeting with TNC Science Team May 2009



NRC Model

The SAC and ISPs will use National Research Council (NRC) policies to ensure that the independent science panels are adequately balanced and fair, and that conflicts of interest are avoided.



2. Independent Science Panels

Keystone and the SAC recommend 6 ISPs to assess the credibility of PLP baseline studies through public meetings that will be broadcast to stakeholders via webstreaming technology. Each panel will have 3-5 Alaskan and outside experts.

ISP Goals

To help stakeholders...

- 1) Understand the science and its meaning in the context of a proposed mine
- 2) Assess the credibility and sufficiency of baseline studies and their usefulness for decision-making
- 3) Identify legitimate baseline scientific questions that require further study

Science Panel Topics

- Responsible Large-scale Mining
- Geology and Geochemistry
- Hydrology and Water Quality
- Fish, Wildlife and Vegetation
- Social and Economic Dynamics
- Evaluating Choices*

3. Additional Studies (JFF)

Stage 3 of the Keystone Dialogue will focus on additional studies, if necessary, to answer valid baseline questions that are raised during the ISP events and that can be addressed in a reasonable timeframe. In this stage additional studies will be designed in such a way that stakeholders are assured of their credibility and sufficiency.



No-mine Condition

The ISPs should adequately describe the current no-mine condition. Many stakeholders welcome an opportunity in the dialogue process to talk about the no-mine conditions as a viable option.



Evaluating Choices Panel

- Two strong messages emerged in the stakeholder assessment:
 1. A desire to identify and discuss what is truly at stake – stages 2 and 3.
 2. A desire to see and evaluate what is specifically being proposed – stage 4.
- To avoid a polarized media debate over hypothetical best- and worst-case scenarios, the Keystone dialogue will conclude with an ISP focused on Evaluating Choices.



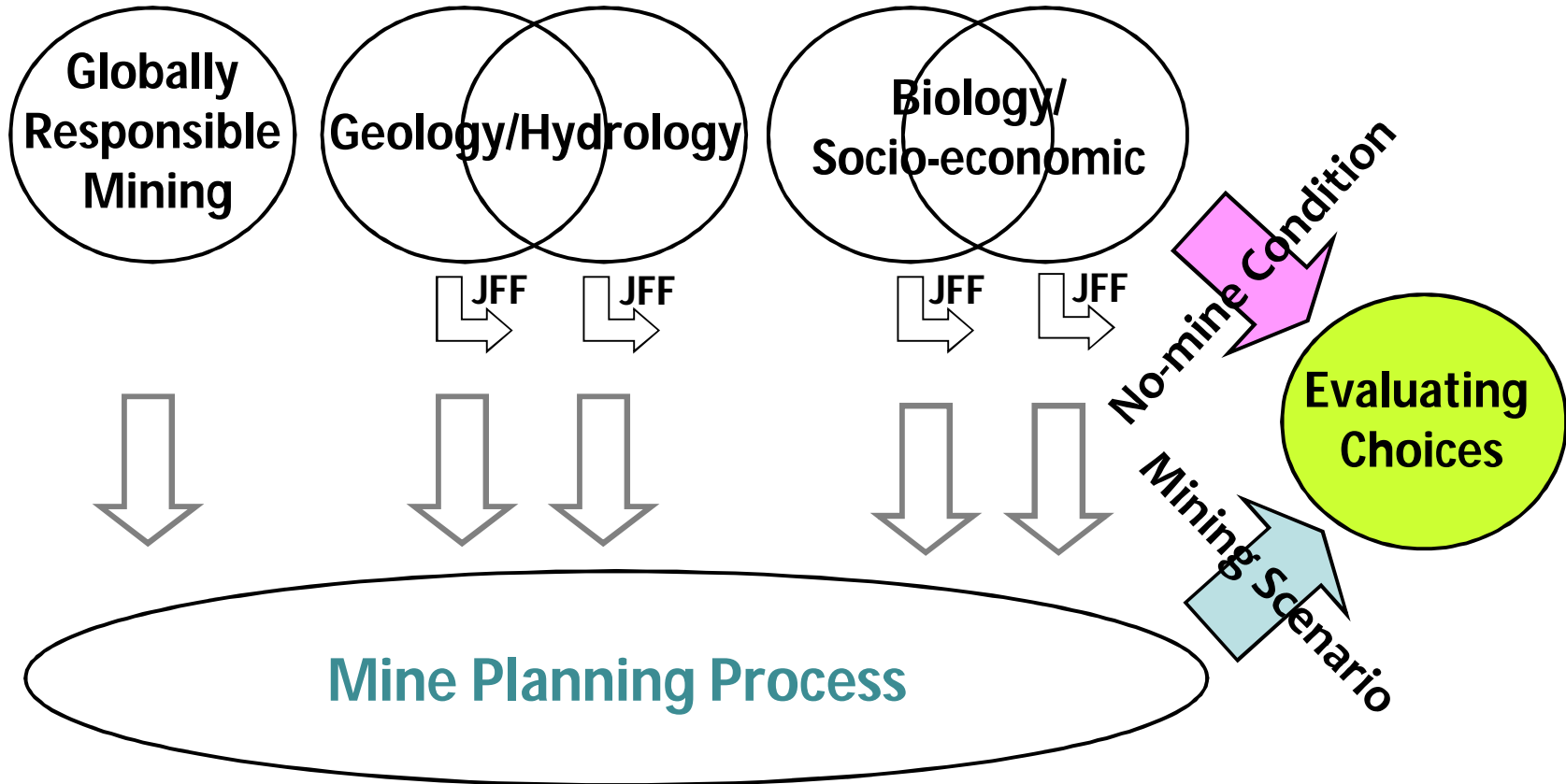
Evaluating Choices ISP

The purpose of the EC ISP is twofold. First, the ISP is designed to circle back to the ISP on responsible large-scale mining and apply the principles and practices to a mining plan. Second, the ISP is designed to provide an opportunity for stakeholders to engage in a rich dialogue comparing the existing no-mine conditions with a mining plan.

Keystone Dialogue Process



Independent Science Panels



Fall 2010

Tentative Timeline

Fall 2012



Keystone/EPA Differences

Keystone Dialogue

EPA Assessment

Independent Science Panels

Baseline Studies

Assessment Report

Pebble Mine Plan

Hypothetical Mine Plan



www.keystone.org/pebble